



# NITFS Compliance Registration



**Product:** Controlled Image Base (CIB) Production System Revision 4\_3\_2\_0

**Date:** 26 April 2005

**Sponsor:** Orbital Imaging Corporation

**Expiration:** 25 April 2007

**Developer:** Orbital Imaging Corporation

**Registration #:** 342

- ☐ Initial Registration  
☒ Supplemental/Update #0  
☐ Derived from Reg. #

**System**  
N-0105/98, §4.1.1

## NITFS Features Implemented:

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Other
Interpret							
Generate							

**Product**  
N-0105/98, §4.1.2

☒ **Component**  
N-0105/98, §4.1.3

### Format

- NITF**  
☐ v2.1  
☒ v2.0  
☐ v1.1  
**NSIF**  
☐ v1.0

### Image Segment Types

- ☒ MONO  
☐ RGB  
☐ RGB/LUT  
☐ YCbCr  
☐ MULTI  
☐ NODISPLAY  
☐ POLAR

### Data Extension Segments

- ☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☒ Registered Extensions \*\*

### Tagged Record Extensions

- Registered TREs  
RPFHDR  
RPFIMG  
RPFDES

### Pixel Value Types

- ☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

### Image Compression

- ☐ Not Compressed  
☐ JPEG Lossy, 8-bit  
☐ JPEG Lossy, 12-bit  
☐ JPEG Downsample  
☐ JPEG Lossless  
☐ JPEG 2000  
☐ Bi-Level  
☒ Vector Quantization  
☐ Multispectral JPEG, Individual Band

### Annotation Segment Types

- ☐ Bit Mapped \*\*  
☐ CCM, 2301  
☐ CCM, 2301A  
☐ Labels \*\*

### Text Segments

- ☐ STA  
☐ TT1  
☐ U8S  
☐ MTF

## Configurations Tested:

-SGI MIPSPro C Compiler, Perl Version 5; IRIX 6.5

-Hybrid: SGI MIPSPro C Compiler, Perl Version 5, MSVC++ V4.0 through SFU DSK; Windows XP Pro

-SGI MIPSPro C Compiler, Perl Version 5, Linux gcc version 3.2.2; Red Hat Linux 7.2

-HP a C++ Compiler C.05.55, Perl Version 5; HP-UX B.11.23

**Legend**  
Interpret  
Generate  
☒ Fully implemented  
☐ Partially implemented  
☐ Not implemented

EDWARD E. BOYLES II, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
the product for the intended use. Optional NITFS features may not be implemented.